

Application/Control Number: 10/812,108  
Art Unit: 3683

Docket No.:  
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Amendments to the Specification

Please amend the following paragraphs of the "Description of the Invention" section of the Specification as follows.

A. AT PAGE 7, LINE 23, AND PAGE 8, LINES 11 AND 13

In the first paragraph of the "Description of the Invention" section of the Specification, starting at page 7, line 13, and ending on page 8, line 8, please insert "(as shown in Figure 9)" after "archery bow 40", at page 7, line 23, as indicated below:

Figures 1, 2, and 3 show one embodiment of the present invention. A finned damper 10 is made of a resilient, elastomeric material, such as rubber, elastomer, and elastic polymers. The damper 10 is molded into a base 11 with a series of fins 12 extending up from it. The embodiment shown in Figures 1 through 3 has a rectangular base 11 with a flat bottom 13. For archery bow dampers, the finned damper can be roughly one inch wide, three inches long, and an inch high. These dimensions allow the damper to fit on various parts of the most common bows. For example, as shown in Figure 9, the finned damper 10 may be mounted to the limb 41 of an archery bow 40 (shown in Figure

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9), either on the inner 47 or outer 48 surface, and either close to the grip 42, as indicated by 10', or close to the pulleys 48, as indicated by 10''. Fins 12 extend up from the base 11. The finned damper 10 may be fixed to an archery bow with conventional adhesives, such as glue or tape with adhesive on both sides. For example, Figure 3 shows the finned damper 10 with a layer of adhesive 14 on the bottom surface 13. The adhesive is covered by a peel-off strip 15. To fix the finned damper 10 to a bow limb, the strip 15 is peeled off, revealing the adhesive layer 14, then the damper 10 is pressed to the bow limb until the adhesive 14 sticks. The finned damper 10 can be mounted to almost any surface of an archery bow. As additional examples, the finned damper 10 can be fixed on a conventional bow mounted quiver.

B. AT PAGE 8, LINES 11 AND 13

In the second paragraph of the "Description of the Invention" section of the Specification, starting at page 8, line 10, and ending on line 27, please substitute reference number "20" for "40", at page 8, lines 11 and 13, as indicated below:

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Figures 4, 5, and 6 show another embodiment of the present invention. The finned wrap-around damper ~~40~~ 20 is made of a resilient, elastomeric material, such as rubber, elastomer, and elastic polymers. A finned wrap-around damper ~~40~~ 20 is molded to form a series of fins 22 on a base structure 21. Base structure 21 is further comprised of a distal lengthwise extension portion 23, a middle portion 28, and a proximal lengthwise extension portion 29. Distal lengthwise extension 23 is further divided into a top portion 24 and bottom portion 27. Top portion 24 is formed into a series of alternating raised ribs 25 and recessed grooves 26. Bottom portion 27 is a flat surface in this embodiment. Proximal lengthwise extension 29 is further divided into a top portion 30 and bottom portion 31. Top portion 30 is a flat surface in this embodiment. Bottom portion 31 is formed into a series of alternating raised ribs 32 and recessed grooves 33. At the middle portion 28 of the wrap-around damper 20, the bottom 36 is formed as a flat surface 34, and the top portion 35 is formed into the series of fins 22.

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C. AT PAGE 8, LINES 11 AND 13

In the fifth paragraph of the "Description of the Invention" section of the Specification, starting at page 10, line 22, and ending on page 11, line 8, after the sentence ending "inner surface 53", at page 8, lines 11 and 13, please insert the underlined sentence indicated below:

Figures 8b and 8c show yet another embodiment of the finned ring damper. The finned ring damper 50' is made of a resilient, elastomeric material, such as rubber, elastomer, and elastic polymers. A finned ring damper 50 is molded to form a series of fins 52 on a base structure 51. Base structure 51 forms a ring with an inner surface 53. The radial fins 52 have a middle portion between the ring-shaped base 51 and a fin tip, where a stabilizing ring 54 is located in the middle portion, which joins the radial fins 52. An mounting insert 55 fits into the inner surface 53 of the ring damper 50'. The mounting insert 55 is cup-shaped and has a mounting hole 56. The mounting hole 56 can receive a bolt (not shown) to secure the damper 50' to an object, such as an archery bow. For example, as

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shown in Figure 9, the limb bolts (not shown) that secure the bow limbs 41 to the grip structure 42, can be used to mount the finned damper 50' to the bow. In an additional embodiment, the cavity formed by the cup of the mounting insert 55 can be filled with a foam insert 57, for increased damping.